## Claims

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1. Steel alloy c h a r a c t e r i z e d in having the following composition (in % by weight)

5 C 0,40-0,60Si 0, 1-1, 0Mn 0,3-1,0Cr 12-15 Мо 2,5-4,010 Νi 0-1,0Co 0-4.0N 0,15-0,20,

with the balance Fe as well as normally occurring impurities, the hardness being > 56 HRC, which should be possible to be attained by hardening without do

- to be attained by hardening without deep freezing, as well as PRE > 25, defined as PRE = % Cr + 3,3  $\cdot$  % Mo + 16  $\cdot$  % N.
  - 2. Steel alloy according to claim 1, wherein C = 0.42-0.60, preferably 0.42-0.50 % by weight.
  - 3. Steel alloy according to claim 1 or 2, wherein Si = 0.15-0.80, preferably 0.15-0.55 % by weight.
- 4. Steel alloy according to any one of claims 1-3, wherein 25 Mn = 0.4-0.8, preferably 0.4-0.7 % by weight.
  - 5. Steel alloy according to any one of the preceding claims, wherein Cr = 13-15, preferably 14-15 % by weight.
- 30 6. Steel alloy according to any one of the preceding claims, wherein Mo = 2,6-4,0, preferably 2,6-3,0 % by weight.

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7. Steel alloy according to any one of the preceding claims, the steel alloy comprising carbides, nitrides and/or carbonitrides, wherein the maximal diameter of the carbides, nitrides and/or carbonitrides does not exceed 5 µm.

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8. Knife, such as a knife suitable for the food industry, carving knife and the like, c h a r a c t e r i z e d in that it comprises a steel alloy according to any one of claims 1-7.

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- 9. Cutting edges for either dry or wet shaving, c h a rac t e r i z e d in that they comprise a steel alloy according to any one of claims 1-7.
- 10. Cutting tool for surgical applications, such as for instance a scalpel, c h a r a c t e r i z e d in that it comprises a steel alloy according to any one of claims 1-7.
- 20 11. Doctor blade or creping blade,
  c h a r a c t e r i z e d in that it comprises a steel
  alloy according to any one of claims 1-7.